

## **Solar Cooker Assessment**

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

### *Part 1: Design*

1. What is the Aluminum Foil for?
  
  
  
  
  
  
  
  
  
  
2. What is the black paper for?
  
  
  
  
  
  
  
  
  
  
4. What is the newspaper for?
  
  
  
  
  
  
  
  
  
  
5. Draw the design of your solar oven and label the parts:

*Part 2: Analysis*

1. Record the temperature change in the table below:

<b>Time Min:sec</b>	<b>Oven Temperature °C</b>	<b>Time Min:sec</b>	<b>Oven Temperature °C</b>
0:00		5:30	
0:30		6:00	
1:00		6:30	
1:30		7:00	
2:00		7:30	
2:30		8:00	
3:00		8:30	
3:30		9:00	
4:00		9:30	
4:30		10:00	
5:00		10:30	

2. How quickly did the solar oven collect heat to cook a s'more?

### *Part 3: Conclusion*

Describe how the solar oven works using conduction, convection, & radiation.